

Derev #62657

TULMAR

## Work Order ID 53240



Page 1

October 28, 2009 11:33:56 AM

Item ID: PB67-43001-83

Accept



Setup Start



Revision ID: B1

Stop



Item Name: PB67-43001-83

Start Date: 10/29/2009 Start Qty: 12.00



Cust Item ID:

Required Date: 11/20/2009 Req'd Qty: 12.00



Customer:

Reference:

Approvals: Process Plan: MF

Date: 09-10-28 Tooling:

Date:

Run Start



QC:

Date: SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
B67-43001	Rev B1								
100		0.00							
	Large Fab								
Large Fab	Memo	0.00							
Large Fab	1- assemble and weld as per dwg B67-43001 (QSI004)								
110		0.00							
	Small Fab								
Small Fab	Memo	0.00							
Small Fab	1- grind weld flush only on side of -193								
120		0.00							
	QC9- Inspect visual per QSI004- Fusion Welds								
QC	Memo	0.00							
Quality Control									

Total 12

X6  
X6SP 10.01.11.  
CPL 10/01/25

CPL 10/01/25

AD 10.01.26 (12)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Work Order ID 53240

October 28, 2009 11:33:56 AM



Page 2

Item ID: PB67-43001-83

Accept



Setup Start



Revision ID: B1

Stop



Item Name: PB67-43001-83

Start Date: 10/29/2009 Start Qty: 12.00



Cust Item ID:

Required Date: 11/20/2009 Req'd Qty: 12.00

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

⇒ 8/6/27

(X12)

140

Green Sandtex(Ref:4.3.5.8) per QSI005 4.3

0.00



Powdercoat

Memo

0.00

Powder Coating

START TIME:

1:15pm

FINISH TIME:

OVEN TEMPERATURE:

320°F

⇒ 10/02/24

(X12)

150

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

BR 10-02-24 (12)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 3

**Accept**

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**Setup Start**

**Stop**

**RESEARCH DESIGN AND METHODS**

**Cust Item ID:**

**Required Date:** 11/20/2009      **Req'd Qty:** 12.00

**Customer:**

**Reference:**

**Approvals:**      **Process Plan:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Tooling:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

**Stop**

**Insp.  
Stamp**

0.00

[REDACTED]

## PURCHASING

## Purchasing

## Memo

0.00

## Purchasing

SEND TO TALMAR FOR FOAM AND FABRIC

P/O: 12624

CY 10/9/23 (12)

170

**00000000000000000000**

Receive & Inspect for Damage & Mat'l Certs

0.00

### Packaging

## Memo

0.00

## Packaging

6/4/10/4 (11)

180

[REDACTED]

QC6- Inspect dimensions to drawing

0.00

QC

## Memo

0.00

## Quality Control

8.10.10.4  
to Rev C Day

XIV \_\_\_\_\_ P.TO

W/O: 53240		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/12/04	170	tulmer keep 1 pc as a sample for their production	CD	10/10/05	1	CA 10/10/05	

Part No: PB67-43001-83 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 53240**

October 28, 2009 11:33:56 AM



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Item ID: PB67-43001-83

Accept



Setup Start



Revision ID: B1

Stop



Item Name: PB67-43001-83

Start Date: 10/29/2009 Start Qty: 12.00



Cust Item ID:

Required Date: 11/20/2009 Req'd Qty: 12.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

190

Identify as per dwg & Stock Location: 445

0.00



Packaging

Memo

0.00

Packaging

P.O. 14145 (11)

200

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/10/05 MFMF  
10-10-06

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



# Picklist Print

October 28, 2009 11:33:56 AM

Page 1

Work Order ID: 53240

Parent Item: PB67-43001-83RevB1

Parent Item Name: PB67-43001-83

Comments:

Start Date: 10/29/2009

Required Date: 11/20/2009

Start Qty: 12.00


Required Qty: 12.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

✓ PB67-43001-185RevB1 Manufactured No  
  
 D-Pad Back Plate

Warehouse  
Location  
 Main Warehouse  
 ST  
 41566

Loc Qty  
 100 Each 12.0000  
 12  
 0.0000 12.0000

 Sp 10.01.08

✓ PB67-43001-189RevB1 Manufactured No  
  
 D-Pad Face

53298 12x  
 100 Each 0.0000 12.0000

6x 16x Pl 10/01/25  
 Sp 10.01.08

✓ PB67-43001-193RevB1 Manufactured No  
  
 D-Pad Base

Warehouse  
Location  
 Main Warehouse  
 ST  
 44992

Loc Qty  
 110 Each 11.0000 12.0000

B53299 → 6x Pl 10/01/25  
 6x  
 Sp 10.01.08

✓ PB67-43001-339RevB1 Manufactured No  
  
 D-Pad Top

Warehouse  
Location  
 Main Warehouse  
 ST439A  
 52420  
 53300

Loc Qty  
 11  
 11

1x  
 1x

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**PREMIER AVIATION, INC.**  
3000 Aviation Parkway, Grand Prairie, Texas 75052

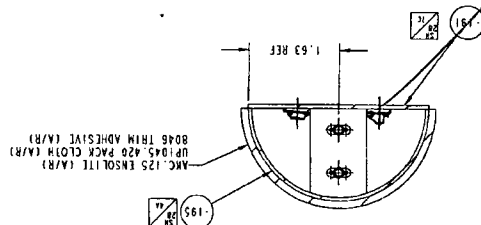
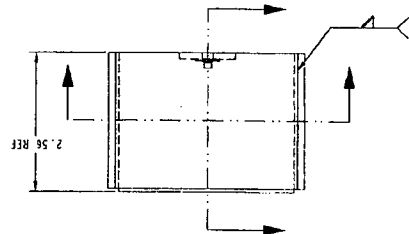
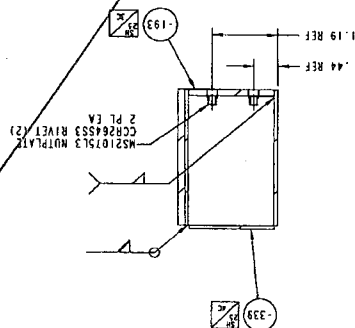
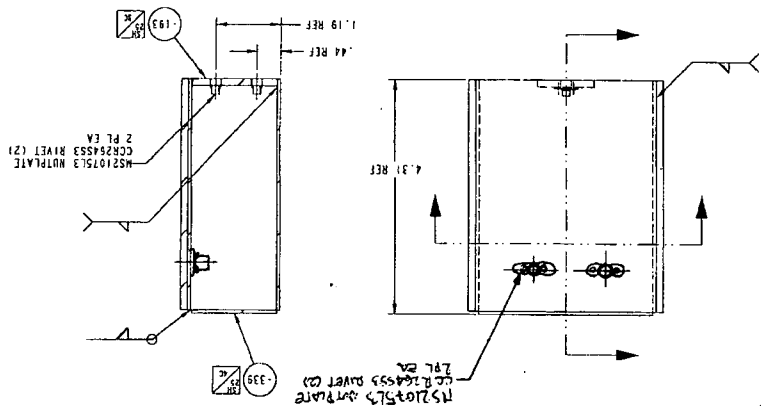
10 18 85 LONG D-PAD ASSEMBLY

SCALE 1.000

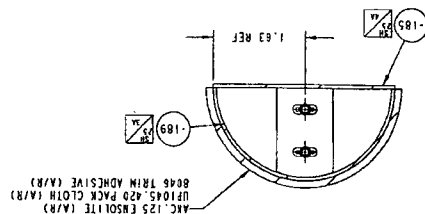
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$\frac{83}{-83}$



#53240



RELEASED  
JAN 20 1972

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

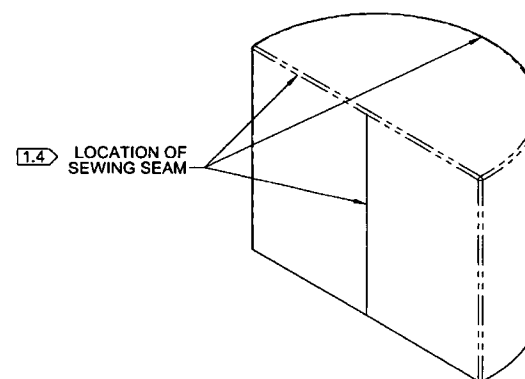
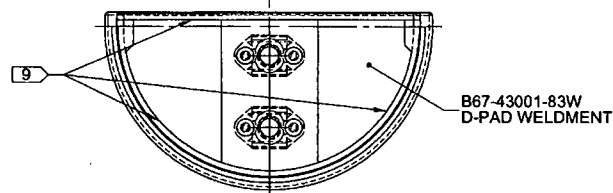
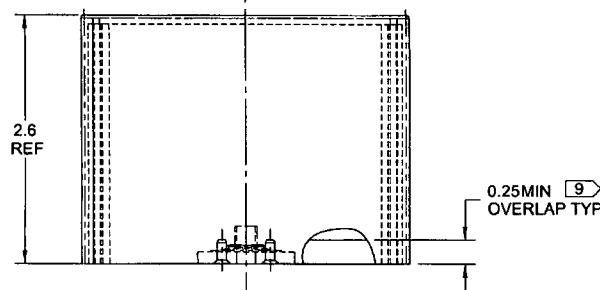
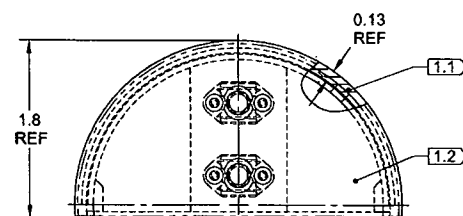
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ITEM	QTY -83	P/N	DESCRIPTION
1	X	B67-43001-83	D-PAD ASSEMBLY, SHORT
2	1	B67-43001-83W	D-PAD WELDMENT, SHORT
3	A/R	1637-002	SEE NOTE 1.1
4	A/R	1495	SEE NOTE 1.2
5	A/R	LA4009	SEE NOTE 1.3
7	A/R	2530	SEE NOTE 1.4



# NOTES:

## 1) MATERIAL:

- 1.1) FOAM: ETHYLENE PROPYLENE NEOPRENE SBR CLOSED-CELL, FLAME RETARDANT, 0.125 THICK, PER ASTM D1056 2A2, SERVICE TEMP -40°F TO +200°F, COLOUR: BLACK  
REF. TULMAR P/N 1637-002
- 1.2) FABRIC: 100% 420 DENIER NYLON, MIN THREAD COUNT 35X35, POLYURETHANE COATED ONE SIDE, COLOUR: BLACK  
REF. TULMAR P/N 1495
- 1.3) ADHESIVE: URETHANE WITH CATALYST, TWO PART, CLIFTON LA4009
- 1.4) THREAD: NYLON, BLACK, V-T-295 TYPE 2, CLASS A, SIZE F, 8-10 STITCHES PER INCH  
REF. TULMAR P/N 2530

- 2) FINISH: BOND NEOPRENE TO COVER PLATE USING ADHESIVE. COVER WITH DENIER AS SHOWN.
- 3) TOLERANCES: PER TABLE 1 (ZN A3-1) UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.27 lbs REF
- 8) NUTPLATES AD HOLES MUST REMAIN FREE OF ADHESIVE AND FABRIC
- 9) DENIER NYLON TO OVERLAP BY 0.25 MIN AND BE BONDED ALL AROUND INNER SIDES OF PLATE

TABLE 1

TOLERANCES ON FABRIC (PARTS AND ASSEMBLIES)
±1/8: DIMS <2
±1/4: DIMS 2 TO <10
±1/2: DIMS 10 TO <20
±5/8: DIMS 20 TO <40
±1.5%: DIMS EQUAL TO OR > 40

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018, QSI 043 AND TULMAR SAFETY SYSTEMS INC.'S MANUFACTURING PROCESS AND TOLERANCES ON FABRIC. FOR PREVIOUS REVISIONS, REFER TO SHEET 12 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011.	MB	10.04.27
REV.	DESCRIPTION	BY	DATE
DESIGN	R/W		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.	N/A		
DATE	10.04.27		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.  
**B67-43001-83**

REV. C  
SHEET 1 OF 2

TITLE  
**D-PAD ASSEMBLY, SHORT**

SCALE  
NTS

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**RELEASED**  
2010-09-15

#53240

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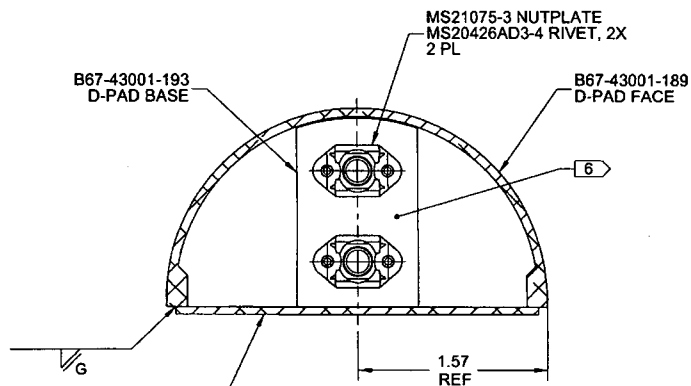
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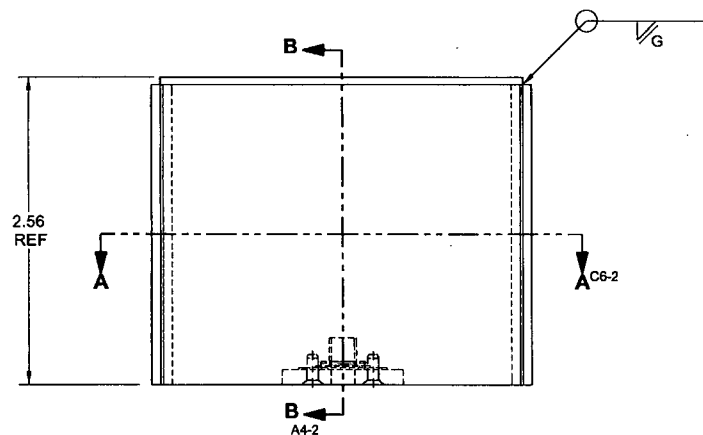
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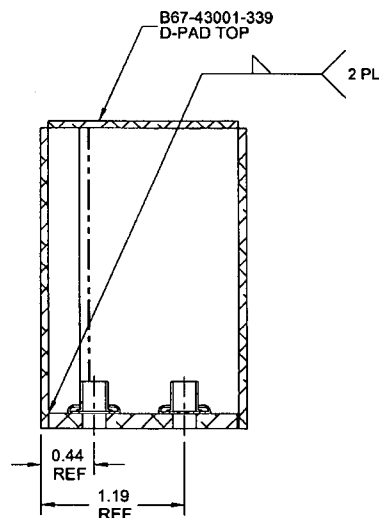


B67-43001-185  
D-PAD BACK PLATE

**SECTION A-A B5-2**



**B67-43001-83W SHORT D-PAD ASSY**



**SECTION B-B B7-2**

ITEM	QTY -83W	P/N	DESCRIPTION
1	X	B67-43001-83W	D-PAD WELDMENT, SHORT
2	1	B67-43001-185	D-PAD BACK PLATE
3	1	B67-43001-189	D-PAD FACE
4	1	B67-43001-193	D-PAD BASE
5	1	B67-43001-339	D-PAD TOP
6	4	MS20426AD3-4	RIVET
7	2	MS21075L3	NUT PLATE

53240

**RELEASED**  
2010-09-16  
mp

**NOTES:**

- 1) MATERIAL: NONE
- 2) FINISH: POWDER COAT GREEN SANDEX (4.3.5.8) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "B67-43001-83W" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.27 lbs
- 8) WELDING: PER DART QSI 004

DESIGN	RW	<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		<b>B67-43001-83</b>	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.	N/A	<b>D-PAD ASSEMBLY, SHORT</b>	NTS
DATE	10.04.27	<small>COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

8 7 6 5 4 3 2 1

# TULMAR

## PACKING SLIP COPY

Packing Slip No.

**37305**

Ship Date

4-Oct-10

Tulmar Safety Systems Inc.

1123 Cameron Street  
Hawkesbury, ON K6A 2B8 CA  
Tel: 613-632-1282  
Fax: 613-632-2030  
MID : XOTULSAF1123HAW  
email: info@tulmar.com

**Bill To:****Dart Aerospace**

1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7. Canada

**Ship to:****Dart Aerospace**

1270 Aberdeen Street  
Call Chantal re Pick-Up  
Tel: 613-632-9577  
Hawkesbury, ON K6A 1K7. Canada

**Order number**

25447

**Sales order date**

28 Sep-10

**Account number**

CDART100

**Account manager**

Barney Bangs

**PO number**

PO12624

**Ship Via**

Pick-Up

**Shipping Terms**

FOB HAWKESBURY

**Item No.****Description****Quantity ordered****UOM****Qty Shipped/Returned****Quantity on back order**

8421-105

Cover Plate, 20°/

Drawing No: B67-43001-73

DWG Rev: C

Lot No: BATCH0000000005 Qty: 7

8421-101

D-Pad Assembly, Short/

Drawing No: B67-43001-83

DWG Rev: C

Lot No: BATCH0000000008 Qty: 11

8421-102

D-Pad Assembly, Long/

Drawing No: B67-43001-85

DWG Rev: C

\*\*Dart to make new holes themselves

Lot No: BATCH0000000006 Qty: 3

8421-104

Cover Plate/

Drawing No: B67-43001-173

DWG Rev: C

Lot No: BATCH0000000008 Qty: 11

8421-103

Cover Plate/

Drawing No: B67-43001-181

DWG Rev: C

Lot No: BATCH0000000006 Qty: 11

# PACKING SLIP

# TULMAR

Tulmar Safety Systems Inc.  
1123 Cameron Street  
Hawkesbury, ON K6A 2B8 CA  
Tel: 613-632-1282  
Fax: 613-632-2030  
MID : XOTULSAF1123HAW  
email: info@tulmar.com

Bill To:

**Dart Aerospace**  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7. Canada

Packing Slip No.

**37305**

Ship Date

4-Oct-10

Ship to:

**Dart Aerospace**  
1270 Aberdeen Street  
Call Chantal re Pick-Up  
Tel: 613-632-9577  
Hawkesbury, ON K6A 1K7. Canada

Shipper

*Ruth Andrews*

Date:

*4-Oct-2010*

**Certificate of Conformance**

☐ Not Applicable

☐ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.  
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

*Roxanne Korthiee*

Date:

*Oct 7/10*





# J. ENNIS FABRICS LTD.

Wholesale Distributor of Textiles and Supplies

March 9, 2010

Fax To: Tulmar Safety Systems  
 Fax: 613-632-2030  
 Attention: Sandra Nadeau

**EDMONTON**  
**HEAD OFFICE**  
 12122 - 68 Street  
 Edmonton, AB T5B 1R1  
 Canada  
 Phone: (780) 474-5721

## Certificate of Conformance

Re: PO 17505-00 for Oxford 7 Black

The goods shipped on P/O 17505-00 are as per sampled goods. Specification as follows:  
 As per mill documentation:

Oxford 7 black is in compliance with the following standards:

Width: Product is 58 inches Wide.

Roll Size: Average Roll Length is 75 Yards.

Weight: Product Weight is 6.79 Ounces per Sq.Yd. /Product Weight is 10.94 oz per Lin.Yd

Content: 100% Nylon

Coating: Product has a Polyurethane Coating {approximately 0.65 oz/ Sq.Yd. (18.5g/sq.yd.)}

Denier: Yarn is 420 Denier.

Thread Count: Construction is 62 x 38 Threads per Square Inch

Protective Finish: Product is Water Repellent

Hydro Resist: AATCC 127 (Suter): Average 800 mm

Piece # 105255723, Manufacture Date: 12/30/09, Lot Number: 379360

Piece # 105255723, Manufacture Date: 12/30/09, Lot Number: 379360

Piece # 105255749, Manufacture Date: 12/30/09, Lot Number: 379360

**VANCOUVER**  
 13911 Bridgeport Road  
 Richmond, BC V6V 1J6  
 Canada

**MONTREAL**  
 9280 boulevard du Golf  
 Anjou, QC H1J 3A1  
 Canada

Sincerely,  
 J. Ennis Fabrics Ltd.

S. James

Sharon James  
 Product Development

English: 1-800-66-ENNIS

Fax: (780) 479-6135  
 www.jennisfabrics.com

Français: 1-888-66-ENNIS

used on TSS 8421-105 (B67-43001-73)  
 8421-101 (B67-43001-83)  
 8421-102 (B67-43001-85)  
 8421-104 (B67-43001-173)  
 8421-103 (B67-43001-181)

TSS 1495/1

E.F. Walter Inc.	<b>CERTIFICAT DE CONFORMITÉ</b> <b>CERTIFICATE OF COMPLIANCE</b>		Approved <u>JR</u> Date <u>1/3/02</u>
Revision # 0	Revision date: January 30, 2002	Doc # F.7.5.5.A	Page 1 of 1

Date : 09/09/2008

VENDU À  
SOLD TO

6048

TULMAR SAFETY SYSTEMS INC.

1123 CAMERON STREET

HAWKESBURY ONT

K6A 2B8

FOURNISSEUR  
VENDOR

E.F. WALTER INC.

180 BARTOR ROAD

TORONTO, ONTARIO

M9M 2W6

Commande / Order # 14649-00

Notre / Our Reference # 55968

Nous certifions par la présente que la totalité du matériel inscrit ci-dessous a été inspecté et vérifié et est conforme aux devis et aux normes mentionnés sur votre commande.

We hereby certify that all of the material listed below has been inspected and tested and conforms to the drawings and / or specifications stated on your purchase order.

Item	Quantité Quantity	Pièce # Part #	Description
742050005	8.000 PCS	# 1637-001	SPONGE NEOPRENE BLACK SC42 TRIMMED NO SKIN (1/2" x 54" x 72") ASTM D1056, 2A2
			<u>8/10/10/09</u>
			LOT # 75570 MANUFACTURING DATE: Sept. 5, 2008

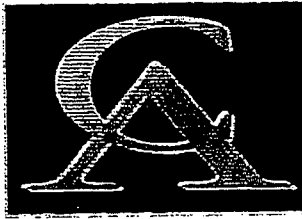
used on TSS 8421-101 (B67-43001-83)  
102 (B67-43001-85)  
103 (B67-43001-181)  
104 (B67-43001-173)  
105 (B67-43001-73)

Signé  
Signed

[Signature]

09/09/2008

TSS # 1637-001/02

FAXED  
6-11-10**CLIFTON**  
Adhesive, Inc  
Industrial Adhesives & Coatings

Date: 6/11/10

**Certificate of Compliance**

This letter certifies that 11 x 5 gallon pails of LA4009 Adhesive,  
lot number (s) 10-145 was shipped to you on 6/11/10.

S  
10/10/10

Clifton Adhesive, Inc manufactured this material according to internal specifications  
which include quality control and assurance procedures. The material was  
manufactured on 5/25/10 against your Purchase Order # 17863-00.

Shelf Life: 1 year from date of manufacture  
Expiration Date: 5/25/11

This letter certifies that 4 x quart cans of CATUR Accelerator,  
Lot number 10-138 was shipped to you on 6/11/10.

Clifton Adhesive, Inc manufactured this material according to internal specifications  
which include quality control and assurance procedures. The material was  
manufactured on 5/18/10 against your Purchase Order # 17863-00.

Shelf Life: 6 months from date of manufacture  
Expiration Date: 11/18/10

Sincerely,

Daniel Constantino  
Quality Assurance Mgr/ISO Coordinator



48 Burgess Place • Wayne, NJ 07470 USA  
Phone: 973-694-0845 • Fax: 973-694-5678  
[www.cliftonadhesive.com](http://www.cliftonadhesive.com)

used on TSS 8421-101 (B67-43001-83)  
102 (B67-43001-85)  
103 (B67-43001-181)  
104 (B67-43001-173)  
105 (B67-43001-73)

TSS 7/22/37

②



**American & Efird Inc.**  
**Post Office Box - 507**  
**Mount Holly, NC -28120**

### Test Report

Date : 10/1/2010

Mfg. Date : 3/27/2010

Quantity: 44

Lot Id : 705150

Product : Tex 90 BONDED 'Z' NYLON FILAMENT Black AA 63002 16 OZ

Specification : A-A-59826 TPII CLA F BT92N4

Customer Order Number : 17499-00

Plys (Visual) : 4

Twist Direction : Z

Customer : Tulmar Safety Inc.

A&E Color : 63002 Black  
AA

Shipped To : Tulmar Safety Inc.

Description : Bright, Continuous Multifilament Nylon, Melting Point >472F; Colorless Nylon Polymer Bond;  
Polypropylene Spools

Characteristic	Test1	Test2	Test3	Test4	Test5	Average	Minimum	Maximum
Strength #1 (Pound)	15.2	15.7	15.6	15.7	15.8	15.619		
Strength #2 (Pound)	15.4	15.1	15.2	15.4	14.8	15.177		
Average Strength (Pound)						15.4	11.8	

Elongation #1 (Percent)	20.5	22.4	21.8	22	21.8	21.722		
Elongation #2 (Percent)	22.3	21.4	21.9	22.5	21.1	21.856		
Average Elongation (Percent)						21.8		26

Lube

Pass Pass

Twist S #1 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2		
Twist S #2 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2		
Average Twist S (Turns per inch) Initial Twist						12.2		

Twist Z #1 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1		
Twist Z #2 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1		
Average Twist Z (Turns per inch) Final Twist						8.1	5.5	

Yield #1 (Yards/Pound)	4211.8		4211.8					
Yield #2 (Yards/Pound)	4114.7		4114.7					
Average Yield (Yards/Pound)			4163.2	3601	5200			

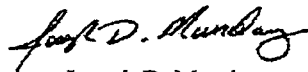
Laundry #1 (Grading Scale)	5		5					
Laundry #2 (Grading Scale)	5		5					
Average Laundry (Grading Scale)			5	3				

used on TSS 8421-102 (B67-43001-85)

Dry Cleaning #1 (Grading Scale)	5	5	
Dry Cleaning #2 (Grading Scale)	5	5	
Average Dry Cleaning (Grading Scale)		5	3
Perspiration #1 (Grading Scale)	5	5	
Perspiration #2 (Grading Scale)	5	5	
Average Perspiration (Grading Scale)		5	3
Color Fastness to Light #1 (Grading Scale)	5	5	
Color Fastness to Light #2 (Grading Scale)	5	5	
Average Color Fastness to Light (Grading Scale)		5	3.4

I certify that the above test were performed under my supervision and in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested. I further certify that these samples were the only samples tested from the lot of components identified above.

Signed :



Joseph D. Munday  
Testing Director

**Note**

This Certificate of Compliance is the property of American & Efird Inc. and may not be reproduced except in its entirety.



**American & Efird Inc.**  
**Post Office Box - 507**  
**Mount Holly, NC -28120**

### Test Report

Date : 9/17/2010

Mfg. Date : 3/27/2010

Quantity: 43

Lot Id : 705150

Product : Tex 90 BONDED 'Z' NYLON FILAMENT Black AA 63002 16 OZ

Specification : A-A-59826 TPII CLA F BT92N4

Plys (Visual) : 4

Customer Order Number : 17499-00

Twist Direction : Z

Customer : Tulmar Safety Inc.

A&E Color : 63002 Black  
AA

Shipped To : Tulmar Safety Inc.

Description : Bright, Continuous Multifilament Nylon, Melting Point >472F; Colorless Nylon Polymer Bond;  
Polypropylene Spools

Characteristic	Test1	Test2	Test3	Test4	Test5	Average	Minimum	Maximum
Strength #1 (Pound)	15.2	15.7	15.6	15.7	15.8	15.619		
Strength #2 (Pound)	15.4	15.1	15.2	15.4	14.8	15.177		
Average Strength (Pound)						15.4	11.8	

Elongation #1 (Percent)	20.5	22.4	21.8	22	21.8	21.722		
Elongation #2 (Percent)	22.3	21.4	21.9	22.5	21.1	21.856		
Average Elongation (Percent)						21.8	26	

Lube	Pass	Pass
------	------	------

Twist S #1 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2
Twist S #2 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2
Average Twist S (Turns per inch) Initial Twist						12.2

Twist Z #1 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1
Twist Z #2 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1
Average Twist Z (Turns per inch) Final Twist						8.1

Yield #1 (Yards/Pound)	4211.8	4211.8		
Yield #2 (Yards/Pound)	4114.7	4114.7		
Average Yield (Yards/Pound)	4163.2	3601	5200	

Laundry #1 (Grading Scale)	5	5	
Laundry #2 (Grading Scale)	5	5	
Average Laundry (Grading Scale)		5	3

used on TSS 8421-101 (B67-43001-83)

TSS #2530/48

Dry Cleaning #1 (Grading Scale)	5	5	
Dry Cleaning #2 (Grading Scale)	5	5	
Average Dry Cleaning (Grading Scale)		5	3
Perspiration #1 (Grading Scale)	5	5	
Perspiration #2 (Grading Scale)	5	5	
Average Perspiration (Grading Scale)		5	3
Color Fastness to Light #1 (Grading Scale)	5	5	
Color Fastness to Light #2 (Grading Scale)	5	5	
Average Color Fastness to Light (Grading Scale)		5	3.4

I certify that the above test were performed under my supervision and in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested. I further certify that these samples were the only samples tested from the lot of components identified above.

Signed :

*Joseph D. Munday*

Joseph D. Munday  
Testing Director

Note

This Certificate of Compliance is the property of American & Efird Inc. and may not be reproduced except in its entirety.

BS # 2530/48 (S)